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## Central Valley Regional Water Quality Control Board

16 November 2023

Phil Mackey  
Mt. Lassen Trout Farms, Inc.  
20560 Lanes Valley Road  
Paynes Creek, CA 96075

**CERTIFIED MAIL**  
**7019 0700 0002 1109 3464**

Pacific Gas and Electric  
Matthew Walker  
3600 Meadowview Drive  
Redding, CA 96002

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**NOTICE OF APPLICABILITY; GENERAL WASTE DISCHARGE REQUIREMENTS FOR COLD WATER CONCENTRATED AQUATIC ANIMAL PRODUCTION (CAAP) FACILITY DISCHARGES TO SURFACE WATERS; ORDER R5-2019-0079 (CAAP GENERAL ORDER, NPDES NO. CAG135001); MOUNT LASSEN TROUT FARMS, INC., AND PACIFIC GAS AND ELECTRIC COMPANY; MOUNT LASSEN TROUT FARMS' VOLTA FACILITY; SHASTA COUNTY**

The California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) issued a Notice of Applicability (NOA) to Mt. Lassen Trout Farms, Inc., and Pacific Gas and Electric (PG&E) (hereinafter Discharger) on 16 August 2016 for coverage under the CAAP General Order for the Mt. Lassen Trout Farms' Volta Fish Hatchery (Facility).

On 5 December 2019, the Central Valley Water Board adopted Order R5-2019-0079 renewing the CAAP General Order. The Discharger submitted a Notice of Intent on 26 September 2019 to continue coverage for the Facility under the CAAP General Order. Effective **1 December 2023**, this NOA provides continued coverage for the Facility under the CAAP General Order to discharge of hatchery wastewater to the PG&E Cross Country Canal, a tributary to South Fork Battle Creek, superseding the previous NOA issued 16 August 2016. CAAP General Order R5-2019-0079-018 and National Pollutant Discharge Elimination System (NPDES) Permit No. CAG135001 are assigned for this Facility. Please reference your CAAP General Order number **R5-2019-0079-018** in all correspondence and submitted documents. The following enclosures are included as part of this NOA:

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MARK BRADFORD, CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

1. Enclosure A - Administrative Information
2. Enclosure B - Location Map
3. Enclosure C - Flow Schematic
4. Enclosure D - Monitoring and Reporting Program
5. Enclosure E - Approved Aquaculture Drugs and Chemicals Use

The enclosed [CAAP General Order](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders) ([http://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders](http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders)) is also available online. You are urged to familiarize yourself with the entire contents of the enclosed document. The Facility operations and discharges shall be managed in accordance with the requirements contained in the CAAP General Order, this NOA, and with the information submitted by the Discharger.

## I. FACILITY INFORMATION/DISCHARGE DESCRIPTION

The Facility is located off Volta Powerhouse Road near 40° 27' 36.43" N latitude and 121° 52' 7.08" W longitude, approximately two miles northeast of Manton, California in Shasta County (Section 16, T30N, R1E, MDB&M), as shown in Enclosure B of this NOA. The Facility is operated by Mt. Lassen Trout Farms, Inc. on property owned by PG&E. The Facility is a flow through system that annually produces approximately 40,000-70,000 pounds of rainbow trout.

In the Notice of Intent, the Discharger reported the predicted 5-year maximum annual harvestable fish production (Table 1) and the maximum monthly feed use of 12,000 pounds for the Facility.

**Table 1. 5-Year Maximum Aquatic Animal Production**

<b>Species</b>	<b>5-Year Maximum Annual Harvestable Maximum Hatchery Aquatic Animal Production (lbs)</b>
Rainbow Trout	40,000 – 70,000

Freshwater is diverted from Brush Creek to the Facility through a timber plank dam, which can be moved vertically for flow control. An overflow canal is located near the inlet location, which allows any unutilized freshwater to re-enter the PG&E Cross Country Canal. The Facility has an estimated maximum discharge flow rate of 10.1 cubic feet per second (cfs) or 6.5 million gallons per day (mgd). Freshwater entering the Facility is routed through one concrete raceway and seven earthen rearing ponds. Two settling ponds are in-line with hatchery rearing operations for removing suspended or settleable solids (one settling pond is located midway in the rearing system and one is located at the end of the rearing system). When necessary, two evaporation ponds are utilized for storage of hatchery wastewater sourced from the settling ponds in order to remove accumulated sediment from dewatered ponds. Dried solids from the evaporation ponds are sent to local farmers for use as soil amendment. After passing through the final

settling pond, hatchery wastewater enters a corrugated metal pipe and, approximately 193 feet downstream, enters a concrete distribution box. Hatchery wastewater is either routed into PG&E's Cross Country Canal (Outfall 001) or provided to a private landowner; approximately two-thirds of water leaving the Facility is diverted to the private landowner.

Hatchery wastewater is discharged from the Facility to PG&E's Cross Country Canal through one outfall (Outfall 001) as shown in Enclosure C, a part of this NOA, and as described below:

**Outfall 001** – Hatchery wastewater from the raceways and earthen rearing ponds is discharged to PG&E's Cross Country Canal at Outfall 001 (Latitude: 40° 27' 33.40" N; and Longitude: 121° 52' 3.73" W).

A travel trailer with a self-contained domestic wastewater tank functions as an employee residence and office. Domestic wastewater from the trailer is disposed of appropriately off-site.

## II. DISCHARGE PROHIBITIONS (CAAP GENERAL ORDER SECTION IV)

The Discharge Prohibitions contained in CAAP General Order Section IV are applicable to this Facility.

## III. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

### A. Effluent Limitations (CAAP General Order Section V)

Effluent Limitations are specified in Section V of the CAAP General Order. The discharge exhibits reasonable potential for formaldehyde and chlorine. The following effluent limitations are applicable to this discharge and are contained in Section V.A of the CAAP General Order:

1. The Discharges to surface waters shall not exceed the effluent limitations contained in Table 2 below.

**Table 2. Effluent Limitations**

<b>Parameter</b>	<b>Units</b>	<b>Average Monthly Effluent Limitation</b>	<b>Maximum Daily Effluent Limitations</b>
Formaldehyde	mg/L	0.65	1.3
Chlorine	mg/L	--	0.018

2. The Discharger shall minimize the discharge of Total Suspended Solids through the implementation of the Best Management Practices and Pollution Prevention Plan established in Special Provision VII.C.3 of the CAAP General Order.

## **B. Effluent Limitations – Applicable to Discharges to Specific Water Bodies (CAAP General Order Section V.B)**

### **1. Final Copper Effluent Limitations – Not Applicable**

Copper sulfate is not utilized at the Facility and there is no reasonable potential for total recoverable copper. Therefore, an effluent limitation for total recoverable copper is not imposed on the Discharger.

## **C. Land Discharge Specifications (CAAP General Order Section V.C)**

The Land Discharge Specifications contained in CAAP General Order Section V.C.1 are applicable to this Facility.

## **IV. RECEIVING WATER LIMITATIONS**

### **A. Surface Water Limitations (CAAP General Order Section VI.A)**

Discharge from the Facility to PG&E's Cross Country Canal (a tributary to South Fork Battle Creek) is within the Sacramento and San Joaquin River Basins, therefore, the receiving water limits contained in the CAAP General Order for the Sacramento and San Joaquin River Basins are applicable to this discharge.

- Un-ionized Ammonia (VI.A.1) – Not Applicable;
- Bacteria (VI.A.2);
- Biostimulatory Substances (VI.A.3);
- Chemical Constituents (VI.A.4);
- Color (VI.A.5);
- Dissolved Oxygen (VI.A.6.a and VI.A.6.b) – Per CAAP General Order Section VI.A.6.a.iii., the dissolved oxygen concentration in the PG&E's Cross Country Canal shall not be reduced below 7.0 mg/L;
- Electrical Conductivity (VI.A.7) – Not Applicable;
- Floating Material (VI.A.8);
- Oil and Grease (VI.A.9);
- pH (VI.A.10);
- Pesticides (VI.A.11);
- Radioactivity (VI.A.12);
- Suspended Sediments (VI.A.13);
- Settleable Substances (VI.A.14);

- Suspended Material (VI.A.15);
- Taste and Odors (VI.A.16);
- Temperature (VI.A.17);
- Total Dissolved Solids (VI.A.18) – Not Applicable;
- Toxicity (VI.A.19); and
- Turbidity (VI.A.20.a).

#### **B. Ground Water Limitations (CAAP General Order Section VI.B)**

The Groundwater Limitations contained in CAAP General Order Section VI.B are applicable to this Facility.

### **V. PROVISIONS**

Provisions are contained in Section VII of the CAAP General Order, and the applicable provisions are referenced below.

#### **A. Standard Provisions (CAAP General Order Section VII.A)**

The Standard Provisions contained in CAAP General Order Section VII.A are applicable to this Facility.

#### **B. Monitoring and Reporting Program Requirements (CAAP General Order Section VII.B)**

Each Discharger shall comply with the Monitoring and Reporting Program, and future revisions thereto, in Attachment C, of the CAAP General Order and as specified in Enclosure D of this NOA.

#### **C. Special Provisions (CAAP General Order Section VII.C)**

Special Provisions are contained in Section VII.C of the CAAP General Order. Only the following Special Provision sections from the CAAP General Order specified in Table 3 below apply to this Facility:

**Table 3: Summary of Applicable Special Provisions**

<b>Special Provision</b>	<b>CAAP General Order Section Reference</b>
Reopener Provisions	Section VII.C.1
Drug and Other Chemical Use Reporting	Section VII.C.2
Best Management Practices and Pollution Prevention	Section VII.C.3
Waste Disposal	Section VII.C.4
Special Provisions for Municipal Facilities (POTWs Only)	Section VII.C.5 – Not Applicable
Other Special Provisions	Section VII.C.6 – Not Applicable
Compliance Schedules	Section VII.C.7 – Not Applicable

**VI. COMPLIANCE DETERMINATION (CAAP GENERAL ORDER SECTION VIII.A)**

**A. Formaldehyde Effluent Limitations (Section V.A.1)**

Compliance with the effluent limitations for formaldehyde may be evaluated using an estimated effluent concentration in lieu of effluent monitoring data. The estimated effluent concentration shall be calculated as described in Section IX.A of Attachment C, Monitoring and Reporting Program.

**VII. OTHER REQUIREMENTS**

- A.** The discharge from the Facility (Discharge Point 001) shall not exceed a monthly average flow of 6.5 million gallons per day (mgd).
- B.** The CAAP General Order expires on **31 January 2025**. Only those CAAP facilities authorized to discharge under the expiring Order and who submit a Notice of Intent at least **one year** prior to the expiration date of the CAAP General Order (unless the Executive Officer grants permission for a later date) will remain authorized to discharge under administratively continued permit conditions.

The Executive Officer grants an extension to the deadline prescribed in the CAAP General Order (above); if a complete Notice of Intent is submitted **180 days** prior to the expiration date of the CAAP General Order the Facility shall remain authorized to discharge under the administratively continued permit conditions.

- C.** Aquaculture activities defined in 40 C.F.R. 122.25(b) will be subject to the annual fee for general NPDES permits and *de minimus* discharges that are regulated by individual or general NPDES permits (California Code of Regulations Section 2200(b)(9) for Category 3 discharges).
- D.** In accordance with section VII.C.3.a of the CAAP General Order, the Discharger shall certify within **90 days** from the issuance of this NOA that a Best Management

Practices (BMP) Plan has been developed and is being implemented. To satisfy this requirement the Discharger shall submit a letter to the Central Valley Water Board certifying compliance with the BMP Plan requirements by **29 February 2024**. The Discharger can develop a new BMP Plan, or an existing BMP Plan may be modified for use under this requirement. The Discharger shall develop and implement the BMP Plan to prevent or minimize the generation and discharge of wastes and pollutants to waters of the United States and waters of the State and ensure disposal or land application of wastes is in compliance with applicable solid waste disposal regulations. The BMP Plan shall include practices used during salt treatments at the Facility to minimize salinity discharges to the receiving water. The Discharger shall review the BMP Plan annually and must amend the BMP Plan whenever there is a change in the Facility or in the operation of the Facility which materially increases the generation of pollutants or their release or potential release to surface waters.

- E. Pacific Gas and Electric Company, as owner of the property at which a surface water discharge occurs, is responsible for guaranteeing compliance with the CAAP General Order. Mt. Lassen Trout Farms, Inc., retains primary responsibility for compliance with the CAAP General Order, including day-to-day operations and monitoring. Enforcement actions will be taken against Pacific Gas and Electric Company only in an event that enforcement actions against Mt. Lassen Trout Farms, Inc. are ineffective.

## VIII. ENFORCEMENT

Failure to comply with the CAAP General Order may result in enforcement actions, which could include civil liability. Effluent limitation violations are subject to a Mandatory Minimum Penalty (MMP) of \$3,000 per violation, as well as discretionary penalties. In addition, late monitoring reports are subject to discretionary penalties and MMPs. When discharges do not occur during a quarterly monitoring report period, the Discharger must still submit a quarterly monitoring report indicating that no discharge occurred to avoid being subject to enforcement actions.

## IX. COMMUNICATION

All monitoring report submittals, notification of the beginning and end of discharge, questions regarding compliance and enforcement, and questions regarding permitting aspects shall be directed to Erin Jonasson of the Central Valley Water Board's NPDES Unit. Erin Jonasson can be reached at (530) 224-6128 or by email at [Erin.Jonasson@waterboards.ca.gov](mailto:Erin.Jonasson@waterboards.ca.gov).

The Central Valley Water Board is implementing a Paperless Office system to reduce our paper use, increase efficiency, and provide a more effective way for our staff, the public, and interested parties to view documents in electronic form. Therefore, the Discharger is required to submit all self-monitoring, technical, and progress reports required by this NOA using the State Water Resources Control Board's [California Integrated Water Quality System](#) program website

(<http://www.waterboards.ca.gov/ciwqs/index.html>). In general, if any monitoring data for a monitoring location can be submitted using a computable document format (CDF) file upload, then it should be submitted as a CDF file upload. However, certain parameters that cannot be uploaded to the CIWQS data tables, such as the BMP Plan, should be uploaded as a Portable Document Format (PDF), Microsoft Word, or Microsoft Excel file attachment. Also, please upload or enter a cover letter summarizing the content of the report to the submittal tab of the CIWQS module for each submittal.

All other documents not required to be submitted via CIWQS shall be converted to a searchable PDF and submitted by email to the [Central Valley Water Board](mailto:centralvalleyredding@waterboards.ca.gov) email ([centralvalleyredding@waterboards.ca.gov](mailto:centralvalleyredding@waterboards.ca.gov)) with the following information:

- Attention: NPDES Unit
- Discharger: Mt. Lassen Trout Farms, Inc.
- Facility: Volta Facility
- County: Shasta County
- CIWQS Place ID: 270758

Documents that are 50 megabytes or larger must be transferred to a DVD or flash drive, and mailed to our office, attention "ECM Mailroom-NPDES".

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this NOA, except that if the thirtieth day following the date of this NOA falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Links to the

[laws and regulations applicable to filling petitions](#)

([http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality)) may be found on the internet or will be provided upon request.

(for) Patrick Pulupa  
Executive Officer

EJ: vt

Enclosures:

Enclosure A – Administrative Information  
Enclosure B – Location Map  
Enclosure C – Flow Schematic  
Enclosure D – Monitoring and Reporting Program  
Enclosure E – Approved Aquaculture Drug and Chemical Use  
CAAP General Order R5-2019-0079 (Discharger only)

cc electronically:

Elizabeth Sablad, U.S.EPA, Region IX, San Francisco  
Prasad Gullapalli, U.S. EPA Region IX, San Francisco  
Division of Water Quality, State Water Board, Sacramento  
Shasta County Department of Resource Management, Division of  
Environmental Health, Redding

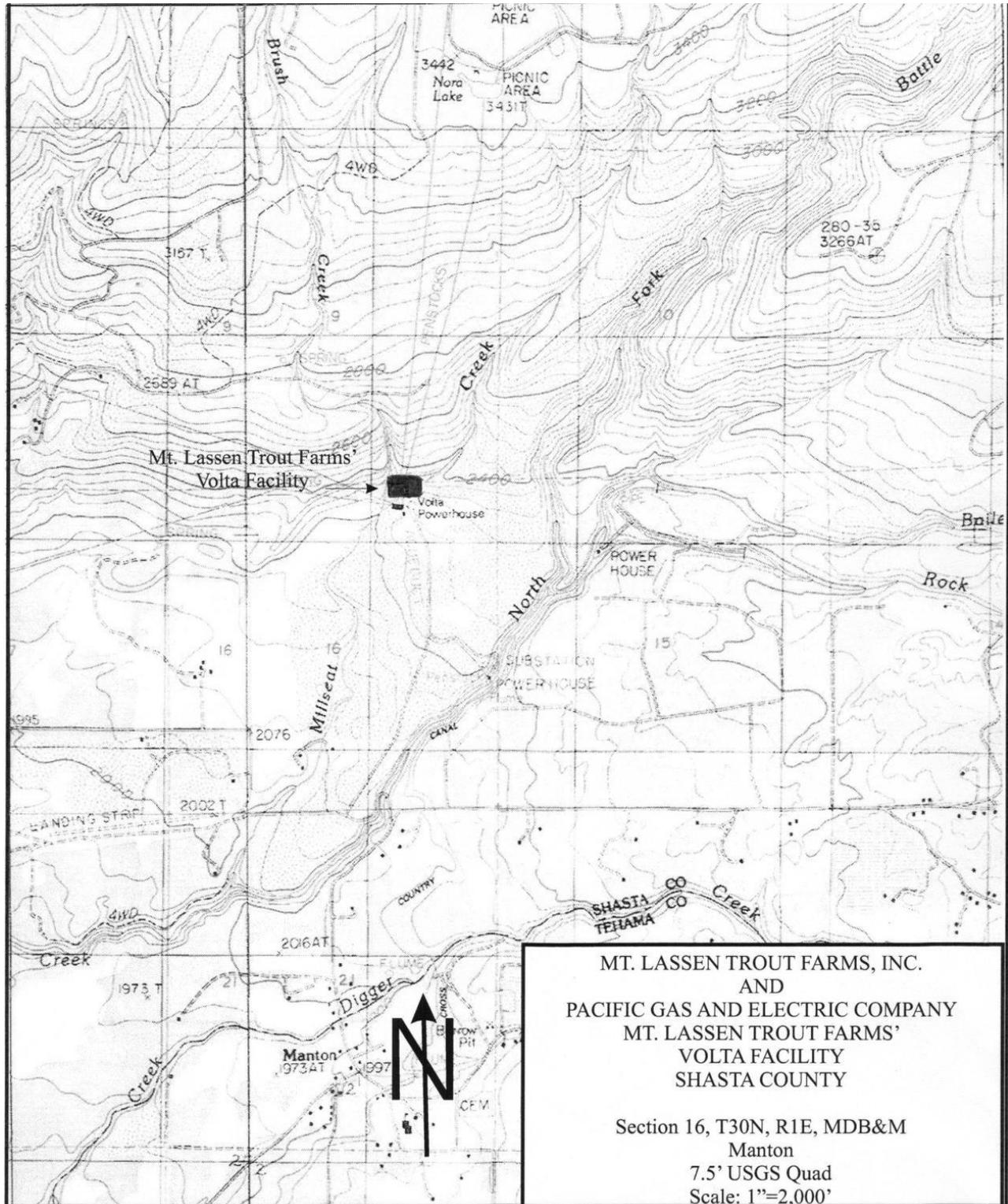
Enclosure A – Administrative Information  
 Mt. Lassen Trout Farms, Inc., and Pacific Gas and Electric Company  
 Mt. Lassen Trout Farms’ Volta Facility

**Enclosure A - ADMINISTRATIVE INFORMATION**

<b>Waste Discharge ID:</b>	5A452037003
<b>CIWQS Facility Place ID:</b>	270758
<b>General Order NOA Enrollee Number:</b>	R5-2019-0079-018
<b>Discharger:</b>	Mt. Lassen Trout Farms, Inc. (Facility Owner/Operator) and Pacific Gas and Electric (Land Owner)
<b>Name of Facility:</b>	Volta Facility
<b>Facility Address:</b>	0.25 Miles northwest of PG&E’s Volta Powerhouse Latitude: 40° 27’ 36.43” N Longitude: 121° 52’ 7.08” W
<b>Facility City, State Zip:</b>	Shingletown/Manton, CA 96088
<b>Facility County:</b>	Shasta County
<b>Facility Contact, Title and Phone Number:</b>	Phil Mackey, President (530) 474-1900
<b>Landowner:</b>	Pacific Gas and Electric
<b>Landowner Address:</b>	3600 Meadowview Drive
<b>Landowner City, State Zip:</b>	Redding, CA 96002
<b>Landowner Contact and Phone Number:</b>	Matthew Walker (530) 227-1291
<b>Authorized Person to Sign and Submit Reports:</b>	Phil Mackey, President (530) 474-1900
<b>Mailing Address:</b>	Phil Mackey, President Mt. Lassen Trout Farms, Inc. 20560 Lanes Valley Road Paynes Creek, CA 96075
<b>Billing Address:</b>	Same as Mailing Address
<b>Estimated Annual Total Weight Produced:</b>	40,000 – 70,000 pounds/year
<b>Type of Facility:</b>	CAAP Facility, SIC Code 0921
<b>Major or Minor Facility:</b>	Minor
<b>Threat to Water Quality:</b>	2
<b>Complexity:</b>	B
<b>Pretreatment Program:</b>	No
<b>Recycling Requirements:</b>	No
<b>Facility Permitted Flow:</b>	6.5 million gallons per day (mgd)
<b>Watershed:</b>	Sacramento River Basin
<b>Receiving Water:</b>	PG&E Cross Country Canal, a Tributary to South Fork Battle Creek
<b>Receiving Water Type:</b>	Inland surface water

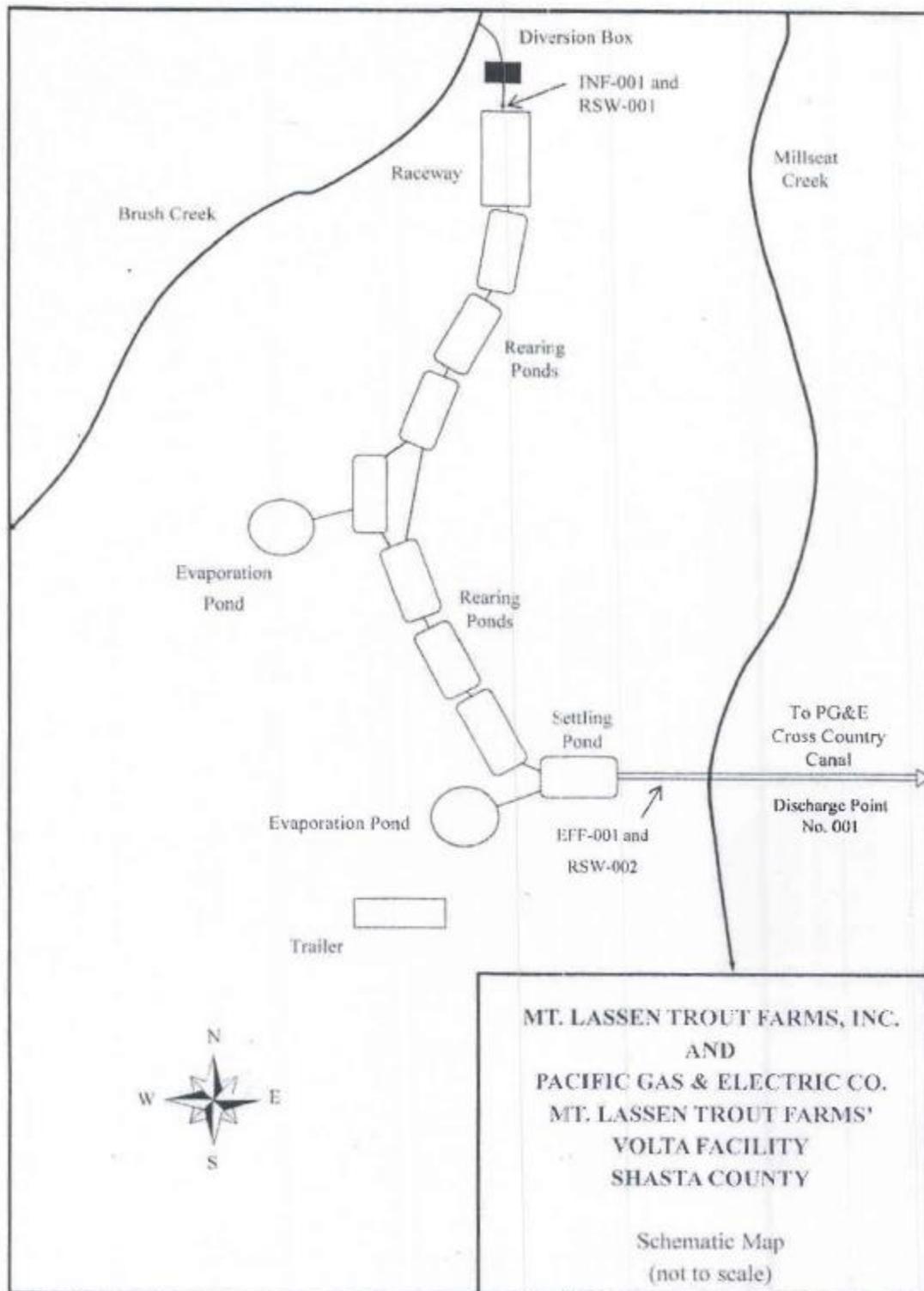
Enclosure B – Location Map  
Mt. Lassen Trout Farms, Inc., and Pacific Gas and Electric Company  
Mt. Lassen Trout Farms' Volta Facility

**ENCLOSURE B – LOCATION MAP**



Enclosure C – Flow Schematic  
Mt. Lassen Trout Farms, Inc., and Pacific Gas and Electric Company  
Mt. Lassen Trout Farms' Volta Facility

**ENCLOSURE C – FLOW SCHEMATIC**



## ENCLOSURE D – MONITORING AND REPORTING PROGRAM

The Discharger is required to comply with all the Monitoring and Reporting Requirements contained in Attachment C of the CAAP General Order, as specified in this NOA Enclosure D.

This Facility is the category of production of less than 100,000 pounds of aquatic animals produced per year. Tables D-2, D-3, and D-4 below are based on the monitoring in the CAAP General Order, Attachment C for facilities producing less than 100,000 pounds of aquatic animals produced per year (CAAP General Order, Attachment C, Sections III.B, IV.A.2, and VIII.D, respectively).

### I. GENERAL MONITORING PROVISIONS

The Discharger shall comply with the General Monitoring Provisions specified in the CAAP General Order, Attachment C, Section I.

### II. MONITORING LOCATIONS

The monitoring locations are defined as follows in Table D-1 below, and a flow schematic showing the site-specific monitoring locations is provided in Enclosure C to this NOA.

**Table D-1. Monitoring Locations**

<b>Discharge Point Name</b>	<b>Monitoring Location Name</b>	<b>Monitoring Location Description</b>
--	INF-001	Influent shall be collected at a location where a representative sample can be obtained, prior to source water entering the Facility [Approximate location: 40°27'39.32" N latitude and 121°52'4.02" W longitude].
Outfall 001	EFF-001	Hatchery wastewater shall be collected and sampled after the last point of treatment and prior to hatchery wastewater entering PG&E's Cross Country Canal [Approximate location: 40°27'33.40" N latitude and 121°52'3.73" W longitude].
--	RSW-001	Receiving water samples, upstream of EFF-001, shall be collected from PG&E Cross Country Canal approximately 40 feet upstream of EFF-001 [Approximate location: 40°27'33.72" N latitude and 121°52'3.69" W longitude].
--	RSW-002	Receiving water samples, downstream of EFF-001, shall be collected from PG&E Cross Country Canal approximately 70 feet downstream of EFF-001 [Approximate location: 40°27'32.68" N latitude and 121°52'3.49" W longitude].

**III. INFLUENT MONITORING REQUIREMENTS (CAAP General Order, Attachment C, Section III.B)**

- A. When the Facility is in operation and there is a discharge at Outfall 001, the Discharger shall monitor influent to the Facility at monitoring location INF-001 for the frequencies/parameters specified below in Table D-2. Influent samples shall be collected at approximately the same time as effluent samples.

**Table D-2. Influent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency
pH	S.U.	Grab	1/quarter
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/quarter
Total Suspended Solids	mg/L	Grab	1/year

**Table D-2 Testing Requirements.** The Discharger shall comply with the following testing requirements when monitoring for the parameters described in Table D-2.

- Parameters shall be analyzed using the analytical methods described in 40 C.F.R. Part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
- Constituents shall be monitored using analytical methods with sufficiently sensitive reporting levels consistent with the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).

**B. Influent Monitoring for Facilities with Intake Water Credits – Not Applicable**

**IV. EFFLUENT MONITORING REQUIREMENTS (CAAP General Order, Attachment C, Section IV.A.2)**

- A. When the Facility is in operation and there is a discharge at Outfall 001, the Discharger shall monitor the effluent at Monitoring Location EFF-001 specified below in Table D-3. Effluent samples shall be collected at approximately the same time as influent samples and shall be representative of the volume and quality of the discharge.

**Table D-3. Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow	cfs	Meter	1/month
Total Suspended Solids (TSS)	mg/L	Grab	1/year
Net TSS (effluent minus influent)	mg/L	Net Calculation	1/year
Turbidity	NTU	Grab	1/quarter
pH	S.U.	Grab	1/quarter
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/quarter
Formaldehyde	mg/L	Grab	1/day during Formaldehyde use
Chlorine	mg/L	Grab	1/quarter during chlorine use

**Table D-3 Testing Requirements.** The Discharger shall comply with the following testing requirements when monitoring for the parameters described in Table D-3.

1. Parameters shall be analyzed using the analytical methods described in 40 C.F.R. Part 136 or by methods approved by the Central Valley Water Board or the State Water Board.
2. Electrical conductivity samples shall be collected quarterly. If sodium chloride is used, the quarterly monitoring of electrical conductivity shall be conducted during treatment.
3. Constituents shall be monitored using analytical methods with sufficiently sensitive reporting levels consistent with the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).
4. Estimated concentrations of formaldehyde may be reported in lieu of analytical monitoring during formaldehyde use. If calculations are reported, then formaldehyde concentrations should be reported daily to match the concentrations reported in the Monthly Chemical Use Report (CAAP General Order, Attachment F). See CAAP General Order, Attachment C, Section IX.A for calculation procedures. If analytical monitoring is conducted, when Formaldehyde is added to the waters of the Facility, formaldehyde concentration shall be measured during time of peak discharge of Formaldehyde, at least one hour after start of treatment.
5. Per CAAP General Order, Attachment C, Section IX.A, the discharger shall report all aquaculture drug and chemical use as part of the Monthly Drug and Chemical Use Report that is submitted on a quarterly basis.

Enclosure D – Monitoring and Reporting Program  
Mt. Lassen Trout Farms, Inc., and Pacific Gas and Electric Company  
Mt. Lassen Trout Farms' Volta Facility

6. Total chlorine residual must be monitored with a method sensitive to and accurate at the permitted level of 0.018 mg/L.
7. Total Suspended Solids (TSS) samples shall be collected during the month of highest feeding.

**B. Effluent Monitoring for Facilities with Intake Water Credits – Not Applicable**

**V. LAND DISCHARGE MONITORING REQUIREMENTS (CAAP General Order, Attachment C, Section VI)**

**A. Septic Tank/Leachfields – Not Applicable**

**B. Sewage Lagoons – Not Applicable**

**VI. RECEIVING WATER MONITORING REQUIREMENTS – SURFACE WATER (CAAP General Order, Attachment C, Section VIII)**

**A. Sampling Locations.** When the Facility is in operation and there is a discharge from Outfall 001, receiving water samples shall be collected from Monitoring Locations RSW-001 and RSW-002 for the frequencies/parameters specified below in Table D-4.

**B. Receiving Water Observations.** In conducting the receiving water sampling, a log shall be kept of the receiving water conditions. Attention shall be given to the presence or absence of:

- a. Floating or suspended matter
- b. Discoloration
- c. Bottom deposits
- d. Aquatic life
- e. Visible films, sheens, or coatings
- f. Fungi, slimes, or objectionable growths
- g. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the quarterly self-monitoring report.

**C. Receiving Water Monitoring.** The Discharger shall monitor the receiving water at Monitoring Locations RSW-001 and RSW-002 as follows:

**Table D-4. Receiving Water Monitoring**

<b>Parameter</b>	<b>Units</b>	<b>Sample Type</b>	<b>Minimum Sampling Frequency</b>
Dissolved Oxygen	mg/L	Grab	1/quarter
Temperature	Degrees C	Grab	1/quarter
Turbidity	NTU	Grab	1/quarter
pH	S.U.	Grab	1/quarter
Electrical Conductivity @ 25 degrees Celsius	µmhos/cm	Grab	1/quarter

**Table D-4 Testing Requirements.** The Discharger shall comply with the following testing requirements when monitoring for the parameters described in Table D-4.

- Parameters shall be analyzed using the analytical methods described in 40 C.F.R. Part 136 or by methods approved by the Central Valley Water Board or the State Water Board.

**VII. OTHER MONITORING REQUIREMENTS (CAAP General Order, Attachment C, Section IX)**

- Monthly Drug and Chemical Use Report.** The Discharger shall develop a monthly drug and chemical use report in accordance with CAAP General Order, Attachment C, Section IX.A describing all aquaculture drugs or chemicals used at the Facility. The report shall be submitted with the quarterly self-monitoring reports.
- Priority Pollutant Metals Monitoring.** In accordance with CAAP General Order, Attachment C, Section IX.B, the Discharger shall monitor the effluent (Monitoring Location EFF-001) and the upstream receiving water (Monitoring Location RSW-001) for the metals listed in Table G-1 of the CAAP General Order once during the term of the CAAP General Order. **The monitoring shall occur beginning on or after 1 January 2021, but no later than 1 January 2023.** The Discharger shall electronically submit the priority pollutants metals monitoring results using the State Water Board's [California Integrated Water Quality System](http://www.waterboards.ca.gov/water_issues/programs/ciwqs) (CIWQS) Program Web site ([http://www.waterboards.ca.gov/water\\_issues/programs/ciwqs](http://www.waterboards.ca.gov/water_issues/programs/ciwqs)) **within 60 days of the final sampling event.** Refer to CAAP General Order, Attachment G for the specific monitoring requirements. Constituents shall be monitored using analytical methods with sufficiently sensitive reporting levels consistent with the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv).

Due to the issuance date of the NOA being past 1 January 2023, the Priority Pollutant Metals Monitoring **shall occur no later than 6 months following the effective date of the NOA.**

**C. Annual Feeding and Production Report.** The Discharger shall develop an annual feeding and production report in accordance with CAAP General Order, Attachment C, Section IX.C. The annual report shall be submitted on **1 February, annually**, and included the following information:

1. Monthly food usage in pounds for each calendar month.
2. Annual production of aquatic animals in pounds per year.

**VIII. REPORTING REQUIREMENTS (CAAP General Order, Attachment C, Section X)**

**A. General Monitoring and Reporting Requirements.** The Discharger shall comply with the General Monitoring and Reporting Requirements specified in the CAAP General Order, Attachment C, Section X.A.

**B. Self-Monitoring Reports (SMRs).** The Discharger shall comply with the Self-Monitoring Report requirements specified in the CAAP General Order, Attachment C, Section X.B. Monitoring in accordance with the renewed CAAP General Order is required to begin on the effective date of **1 December 2023**. SMRs are required to be submitted quarterly and annually. The Discharger shall comply with the reporting requirements specified in CAAP General Order, Attachment C, Section X. The first SMR required under the renewed CAAP General Order is due **1 February 2024** and shall include monitoring conducted from 1 December through 31 December. Table D-5, below, summarizes the SMR due dates required under the CAAP General Order. Quarterly monitoring reports must be submitted until your coverage is formally terminated in accordance with the CAAP General Order, even if there is no discharge during the reporting quarter.

**Table D-5. SMRs required in the MRP (Attachment C, CAAP General Order)**

<b>Sampling Frequency</b>	<b>Monitoring Period Begins On...</b>	<b>Monitoring Period</b>	<b>SMR Due Date</b>
1/month	1 December 2023	First day of calendar month through last day of calendar month	1 May (1 Jan – 31 Mar) 1 Aug (1 Apr – 30 Jun) 1 Nov (1 Jul – 30 Sep) 1 Feb of following year (1 Oct – 31 Dec)
1/quarter	1 December 2023	1 January through 31 March 1 April through 30 June 1 July through 30 September 1 October through 31 December	1 May 1 Aug 1 Nov 1 Feb of following year
1/year	1 December 2023	January 1 through December 31	1 Feb of following year

### C. Other Reports

- 1. Analytical Methods Report.** The Discharger shall complete and submit an Analytical Methods Report by **30 January 2024**. The Analytical Methods Report shall include the following for each constituent to be monitored in accordance with this Order: 1) applicable water quality objective, 2) reporting level (RL), 3) method detection limit (MDL), and 4) analytical method. The analytical methods shall be sufficiently sensitive with RLs consistent with the SSM Rule per 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv), and with the Minimum Levels (MLs) in the SIP, Appendix 4. The "Reporting Level or RL" is synonymous with the "Method Minimum Level" described in the SSM Rule. If an RL is not less than or equal to the applicable objective for a constituent, the Discharger shall explain how the proposed analytical method complies with the SSM Rule. Central Valley Water Board staff will provide a tool with the NOA to assist the Discharger in completing this requirement. The tool will include the constituents and associated applicable water quality objectives to be included in the Analytical Methods Report.
- 2. Analytical Methods Report Certification.** Prior to beginning the Priority Pollutant Metals Monitoring, the Discharger shall provide a certification acknowledging the scheduled start date of the Priority Pollutant Metals Monitoring and confirming that samples will be collected and analyzed as described in the previously submitted Analytical Methods Report. If there are changes to the previously submitted Analytical Methods Report, the Discharger shall outline those changes. A one-page certification form will be provided by Central Valley Water Board staff with the NOA that the Discharger can use to satisfy this requirement. Central Valley Water Board staff will provide a tool with the NOA to assist the Discharger in completing this requirement. The tool will include the Analytical Methods Report Certification form, which will acknowledge the scheduled start date of the Effluent and Receiving Water Characterization monitoring and certifies that samples will be taken and analyzed as described in the previously submitted and approved Analytical Methods Report. If there are changes to the approved Analytical Methods Report, the Discharger shall outline those requested changes in the form and not commence characterization monitoring until the requested changes have been reviewed and approved by Central Valley Water Board staff.

## **ENCLOSURE E – APPROVED AQUACULTURE DRUGS AND CHEMICALS USE**

Drugs and chemicals are used at the Facility to prevent/medicate fish for any potential contamination by bacteria, fungi, viruses and pathogens, and to reduce the spread of disease among the confined fish population. Some chemicals may be used to clean Facility treatment/operation components.

The Discharger has informed the Central Valley Water Board of chemicals that may be used at the Facility (see below list). The Discharger does not have estimates or application methods because the chemicals are not used regularly or have not been used in existing operations.

- Formaldehyde as Formalin
- Hydrogen Peroxide
- Potassium Permanganate
- Tricaine Methanesulfonate (MS 222)
- Chloramine-T
- Povidone-iodine (PVP-I)
- Sodium Chloride
- Acetic Acid
- Chlorine
- SLICE
- Oxytetracycline
- Penicillin G.
- Amoxicillin
- Erythromycin
- Florfenicol
- Romet-30®
- Vibrio Vaccine
- Enteric Redmouth Bacteri